

28. (Amended) A collaborative location system according to claim 27, wherein said positioning information included in each of said storage and retrieval requests transmitted by said mobile terminal is supplied by a positioning system.

29. (Amended) A collaborative location system according to claim 25, wherein said positioning information included in each of said storage and retrieval requests transmitted by said mobile terminal is input to said mobile terminal by a user of said mobile terminal.

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#### **REMARKS**

Attached hereto is a marked-up version of the changes made to the claims by the current Amendment. The attached is captioned "**Version with markings to show changes made**".

The present Amendment amends claims 1, 3-5, 13, 15-17, 19, 25 and 27-29, leaves claims 6-12, 18, 20-24 and 30-36 unchanged and cancels claims 2, 14 and 26. Therefore, the present application has pending claims 1, 3-13, 15-25 and 27-36.

Claims 1-15, 7, 13-17, 20, 25-29 and 32 stand rejected under 35 USC §102(e) as being anticipated by DeLorme (U.S. Patent No. 5,848,373); claims 1-36 stand rejected under 35 USC §103(a) as being unpatentable over Phelan (WIPO Patent Application No. WO 97/07467); and claims 6, 8-10, 11, 12, 18, 19, 21-24, 30 and 31 stand rejected under 35 USC §103(a) as being unpatentable over DeLorme in view of what appears to be an alleged Official Notice by the Examiner. As indicated above, claims 2, 14 and 26 were canceled. Therefore, these rejections with respect

to claims 2, 14 and 26 are rendered moot. These rejections with respect to claims 1, 3-13, 15-25 and 27-36 are traversed for the following reasons. Applicants submit that the features of the present invention as now recited in claims 1, 3-13, 15-25 and 27-36 are not taught or suggested by DeLorme, Phelan or the alleged Official Notice whether taken individually or in combination with each other as suggested by the Examiner. Therefore, Applicants respectfully request the Examiner to reconsider and withdraw these rejections.

Amendments were made throughout the claims in order to clarify features of the present invention not taught or suggested by any of the references of record whether taken individually or in combination with each other. Particularly, amendments were made throughout the claims to clarify that the present invention provides a collaborative system whereby users of mobile terminal can store location information regarding a geographical point in a collaborative storage device when positioned near the geographical point and such location information stored by the users of the mobile terminals are accessible by other users of the mobile terminals so as to obtain desired location information about a geographical point located at particular position.

Thus, the present invention as now more clearly recited in the claims is directed to a collaborative location server for storing, retrieving and publishing location information input by a plurality of users of mobile terminals with respect to geographical points. The collaborative location server of the present invention includes a storage which stores location information in corresponding relation to each of a plurality of geographical points, wherein the location information provides

information concerning the geographical points and wherein the location information is stored in the storage by users of mobile terminals for use by other users of mobile terminals when information about a geographical point is desired.

The collaborative location server of the present invention also includes a storage and retrieval means responsive to a storage request, including positioning information, from a user of a mobile terminal for storing location information about a geographical point located at the positioning information and responsive to a retrieval request, including positioning information, from a user of a mobile terminal for retrieving desired location information concerning a geographical point corresponding to the positioning information.

The above described features of the present invention now more clearly recited in the claims are not taught or suggested by any of the references of record particularly DeLorme, Phelan or the Examiner's alleged Official Notice whether taken individually or in combination with each other as suggested by the Examiner.

DeLorme teaches a computer aided map location system which allows for users of the mobile terminals to access information regarding geographical points in a server. As taught in DeLorme a global positioning system is provided so as to provide positioning information of a mobile terminal so as to obtain location information of geographical points in the vicinity of the mobile terminal.

However, Applicants fail to find any teaching or suggestion in DeLorme which allows for each of the users of the mobile terminals to input location information regarding a geographical point when positioned near the geographical point so as to be accessible by other users of mobile terminals when location information about a

particular geographical point is desired. Thus, DeLorme does not provide a central server which stores information input by users of mobile terminals that can be shared with other users of mobile terminals as now more clearly recited in the claims.

Therefore, DeLorme fails to teach or suggest a storage which stores location information in corresponding relation to each of a plurality of geographical points, wherein the location information provides information concerning the geographical points and wherein the location information is stored in the storage by users of the mobile terminals for use by other users of mobile terminal when information about a geographical point is desired as recited in the claims.

Further, DeLorme fails to teach or suggest storage and retrieval means responsive to a storage request, including positioning information, from a user of a mobile terminal for storing location information about a geographical point located at the positioning information and responsive to a retrieval request, including positioning information, from a user of a mobile terminal for retrieving desired location information concerning a geographical point corresponding to the positioning information as recited in the claims.

Therefore, DeLorme fails to teach or suggest the features of the present invention as now recited in the claims.

The above noted deficiencies of DeLorme are also evident in Phelan. Therefore, the same arguments presented above with respect to DeLorme apply as well to Phelan.

Phelan, very similar to that taught by DeLorme merely provides for making location information accessible by mobile terminals according to the position of the

mobile terminal as determined using a global positioning system. As taught by Phelan, the location information can be retrieved from storage by a mobile terminal using positioning information.

However, there is no teaching or suggestion in Phelan of a system which allows for the sharing of information between users of mobile terminals using positioning information as recited in the claims.

Therefore, Phelan fails to teach or suggest a storage which stores location information in corresponding relation to each of a plurality of geographical points wherein the location information provides information concerning the geographical points and wherein the location information is stored in the storage by users of mobile terminals for use by other users of mobile terminals when information about a geographical point is desired as recited in the claims.

Further, Phelan fails to teach or suggest a storage and retrieval means responsive to a storage request, including positioning information, from a user of a mobile terminal for storing location information about a geographical point located at the positioning information and responsive to a retrieval request, including positioning information, from a user of a mobile terminal for retrieving desired location information concerning a geographical point corresponding to the positioning information as recited in the claims.

Therefore, Phelan fails to teach or suggest the features of the present invention as now recited in the claims.

The Examiner appears to take Official Notice that the global internet was notoriously well known to implement hyper text mark up language for information

formatting on a typical internet browser and hyper text transfer protocol for actual network transport of HTML and other types of digital data. However, this alleged teaching to the which the Examiner takes Official Notice does not supply any of the deficiencies noted above regarding the sharing of location information being stored by users of mobile terminals to a storage system so as to be accessible by other users of mobile terminals as in the present invention. Therefore, combining the alleged Official Notice with Phelan or DeLorme as suggested by the Examiner fails to teach or suggest the features of the present invention as now recited in the claims.

In light of the above, Applicants submit that the features of the present invention as now more clearly recited in the claims are not taught or suggested by DeLorme, Phelan or the alleged Official Notice whether taken individually or in combination with each other. Accordingly, reconsideration and withdrawal of the above described rejections of the claims under 35 USC §102 and 35 USC §103 is respectfully requested.

The remaining references of record have been studied. Applicants submit that they do not supply any of the deficiencies noted above with respect to the references utilized in the rejection of claims 1-36.

In view of the foregoing amendments and remarks, Applicants submit that claims 1, 3-13, 15-25 and 27-36 are in condition for allowance. Accordingly, early allowance of claims 1, 3-13, 15-25 and 27-36 is respectfully requested.

To the extent necessary, the applicants petition for an extension of time under 37 CFR 1.136. Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, or credit any overpayment of fees, to the deposit account of Antonelli, Terry, Stout & Kraus, LLP, Deposit Account No. 01-2135 (0171.36935X00).

Respectfully submitted,

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**VERSION WITH MARKINGS TO SHOW CHANGES MADE**

**IN THE CLAIMS**

Please cancel claims 2, 14 and 26 without prejudice or disclaimer of the subject matter thereof.

Please amend the claims as follows:

1. (Amended) A collaborative location server for storing, retrieving and publishing location information input by a plurality of users of mobile terminals with respect to ~~a geographical point~~points, comprising:

a storage which stores location information in corresponding relation to each of a plurality of geographical points,

wherein said location information provides information concerning said geographical ~~point~~points,

wherein said location information is stored in said storage by users of mobile terminals for use by other users of mobile terminals when information about a geographical point is desired; and

storage and retrieval means; responsive to a storage request, including positioning information, from a user of a mobile terminal for storing location information about a geographical point located at said positioning information and responsive to a retrieval request, including positioning information, from a user of a mobile terminal for ~~storing or retrieving~~ desired location information concerning a geographical point corresponding to said positioning information.



3. (Amended) A collaborative location server according to claim 21, wherein said positioning information included in each of said storage and retrieval ~~request~~requests transmitted by said mobile terminal indicates a geographical position of said mobile terminal.

4. (Amended) A collaborative location server according to claim 3, wherein said positioning information included in each of said storage and retrieval ~~request~~requests transmitted by said mobile terminal is supplied by a positioning system.

5. (Amended) A collaborative location server according to claim 1, wherein each of said storage and retrieval ~~request~~requests including said positioning information is transmitted to said collaborative location server by a terminal, and wherein said positioning information included in each of said storage and retrieval ~~request~~requests transmitted by said mobile terminal is input to said mobile terminal by a user of said mobile terminal.

13. (Amended) A method of storing, retrieving and publishing location information input by a plurality of users of mobile terminals with respect to a geographical ~~point~~ points comprising the steps of:

storing location information in corresponding relation to each of a plurality of geographical points,

wherein said location information provides information concerning said geographical ~~point~~points.

wherein said location information is stored in said storage by users of mobile terminals for use by other users of mobile terminals when information about a geographical point is desired; and

in response to a storage request, including positioning information, from a user of a mobile terminal, storing location information about a geographical point located at said positioning information and in response to a retrieval request including positioning information, ~~storing or~~ from a user of a mobile terminal, retrieving desired location information concerning a geographical point corresponding to said positioning information.

15. (Amended) A method according to claim 13, wherein said positioning information included in each of said storage and retrieval requestrequests transmitted by said mobile terminal indicates a geographical position of said mobile terminal.

16. (Amended) A method according to claim 15, wherein said positioning information included in each of said storage and retrieval requestrequests transmitted by said mobile terminal is supplied by a positioning system.

17. (Amended) A method according to claim 13, further comprising the ~~steps~~step of:

~~transmitting said storage and retrieval request including said positioning information to said collaborative location server by a terminal; and~~

allowing a user to input said positioning information included in each of  
said storage and retrieval ~~request~~requests transmitted by said mobile terminal to  
said mobile terminal.

19. (Amended) A ~~collaborative location server~~method according to claim  
18, wherein any of information included in said location information includes link  
information for linking said location information to other information.

25. (Amended) A collaborative location system for storing, retrieving and  
publishing location information input by a plurality of users of mobile terminals with  
respect to ~~a geographical point~~points, comprising:

a plurality of location servers each storing and retrieving location  
information input by a plurality of users of mobile terminals with respect to  
geographical points included within a predefined area, said each collaborative  
location server comprises:

a storage which stores location information in corresponding relation to  
each of a plurality of geographical points,

wherein said location information provides information concerning said  
geographical ~~point~~points,

wherein said location information is stored in said storage by users of  
mobile terminals for use by other users of mobile terminals when information about a  
geographical point is desired, and

storage and retrieval means; responsive to a storage request, including

positioning information, from a user of a mobile terminal for storing location information about a geographical point located at said positioning information and a retrieval request ~~request~~ including positioning information, from a user of a mobile terminal for storing or retrieving desired location information concerning a geographical point corresponding to said positioning information.

27. (Amended) A collaborative location system according to claim 25, wherein said positioning information included in each of said storage and retrieval ~~request~~requests transmitted by said mobile terminal indicates a geographical position of said mobile terminal.

28. (Amended) A collaborative location system according to claim 27, wherein said positioning information included in each of said storage and retrieval ~~request~~requests transmitted by said mobile terminal is supplied by a positioning system.

29. (Amended) A collaborative location system according to claim 25, ~~wherein said storage and retrieval request including said positioning information is transmitted to said collaborative location server by a terminal, and~~ wherein said positioning information included in each of said storage and retrieval ~~request~~requests transmitted by said mobile terminal is input to said mobile terminal by a user of said mobile terminal.